

## Title (en)

BEVERAGE PREPARATION MACHINES AND METHODS FOR OPERATING BEVERAGE PREPARATION MACHINES

## Title (de)

GETRÄNKEZUBEREITUNGSMASCHINEN UND VERFAHREN FÜR DEN BETRIEB VON GETRÄNKEZUBEREITUNGSMASCHINEN

## Title (fr)

MACHINES DE PRÉPARATION DE BOISSONS ET LEURS PROCÉDÉS DE FONCTIONNEMENT

## Publication

**EP 2148599 A4 20170329 (EN)**

## Application

**EP 08755644 A 20080516**

## Priority

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- US 94011807 P 20070525

## Abstract (en)

[origin: GB2449630A] The present invention provides a method of operating a beverage preparation machine, the beverage preparation machine being of the type comprising a brewer comprising: a reservoir 30 containing water; a delivery head (3 figures 1,2) for receiving in use a cartridge containing one or more beverage ingredients; a pump 50 for pumping water from said reservoir to said delivery head; a primary heater 31 for heating the water contained in said reservoir; a secondary heater 51 in between the reservoir and the delivery head; a controller 47 for controlling energisation of the primary heater and the secondary heater; and wherein the controller operates to prevent energisation of the primary heater simultaneous with energisation of the secondary heater. An apparatus for carrying out the method is also disclosed and methods and apparatus utilising first and second brewers.

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## Citation (search report)

- [X] US 2006107839 A1 20060525 - NENOV CHRIS [US], et al
- [A] US 5836236 A 19981117 - ROLFES PATRICK J [US], et al
- See also references of WO 2008144471A1

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**GB 0709588 D0 20070627**; **GB 2449630 A 20081203**; **GB 2449630 A8 20090211**; **GB 2449630 B 20100106**; BR PI0811650 A2 20171003; CA 2684130 A1 20081127; CA 2684130 C 20140325; CA 2778119 A1 20081127; CA 2778119 C 20140923; CA 2802138 A1 20081127; CA 2802138 C 20141028; CN 101742951 A 20100616; CN 101742951 B 20141217; CN 103750746 A 20140430; CN 104382496 A 20150304; EP 2148599 A1 20100203; EP 2148599 A4 20170329; GB 0920042 D0 20091230; GB 2462392 A 20100210; GB 2462392 B 20100818; HK 1144538 A1 20110225; HK 1197166 A1 20150109; HK 1207546 A1 20160205; JP 2010527701 A 20100819; JP 2014208269 A 20141106; JP 2015042319 A 20150305; JP 2017056226 A 20170323; JP 5992141 B2 20160914; KR 101245077 B1 20130318; KR 20100017846 A 20100216; RU 2009147024 A 20110627; RU 2454164 C2 20120627; US 2011070348 A1 20110324; US 2015144000 A1 20150528; US 2017231422 A1 20170817; US 8974846 B2 20150310; WO 2008144471 A1 20081127

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